

GenCore version 4.5  
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OM nucleic - nucleic search, using sw model

Run on: November 2, 1999, 04:12:54 ; Search time 33.69 Seconds  
(without alignments)  
64.853 Million cell updates/sec

Title: US-08-978-217-14

Sequence: 1 GRACCTCATGCGCCGCTCAG 21

Scoring table: IDENTITY\_NUC

Searched: 192659 seqs, 52021692 residues

Database: Issued\_Patents\_NA:\*

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3: /cgn2\_6/ptodata/1/ina/5C.COMB.seq:\*  
4: /cgn2\_6/ptodata/1/ina/5D.COMB.seq:\*  
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Pred. No. is the number of results predicted by chance to have a  
score greater than or equal to the score of the result being printed,  
and is derived by analysis of the total score distribution.

## SUMMARIES

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C 2	16.4	78.1	5502	4	PCT-US95-02251-17	Sequence 17, Appl1
C 3	16.2	77.1	2266	4	US-09-213-767-1	Sequence 1, Appl1
C 4	15.2	72.4	2484	3	US-08-469-412A-1	Sequence 1, Appl1
C 5	15.2	72.4	2484	4	US-08-209-521-8	Sequence 8, Appl1
C 6	14.6	69.5	1402	3	US-08-447-965A-1	Sequence 1, Appl1
C 7	14.4	68.6	1246	1	US-08-097-828-2	Sequence 2, Appl1
C 8	14.4	68.6	1246	1	US-08-026-138E-16	Sequence 16, Appl1
C 9	14.4	68.6	1246	2	US-08-480-756-2	Sequence 2, Appl1
C 10	14.4	68.6	1246	3	US-08-462-403-2	Sequence 2, Appl1
C 11	14.4	68.6	1246	3	PCT-US92-00331-2	Sequence 2, Appl1
C 12	14.4	68.6	1246	5	PCT-US93-10419-2	Sequence 2, Appl1
C 13	14.2	67.6	2682	1	US-07-971-819A-1	Sequence 1, Appl1
C 14	14.2	67.6	9511	1	US-07-925-695-6	Sequence 6, Appl1
C 15	14.2	67.6	9511	1	US-07-925-695-7	Sequence 7, Appl1
C 16	14.2	67.6	2682	1	US-07-977-434-3	Sequence 3, Appl1
C 17	14.2	67.6	1412	1	US-08-097-831-1	Sequence 1, Appl1
C 18	14.2	67.6	2682	1	US-08-475-231-1	Sequence 1, Appl1
C 19	14.2	67.6	423	1	US-08-470-179-160	Sequence 160, Appl1
C 20	14.2	67.6	348	2	US-08-519-777-13	Sequence 13, Appl1
C 21	14.2	67.6	348	2	US-08-742-035-13	Sequence 13, Appl1
C 22	14.2	67.6	12847	2	US-08-550-715-1	Sequence 1, Appl1
C 23	14.2	67.6	2682	3	US-08-458-819-3	Sequence 13, Appl1
C 24	14.2	67.6	348	3	US-08-777-143-13	Sequence 13, Appl1
C 25	14.2	67.6	2544	3	US-08-469-412A-6	Sequence 6, Appl1
C 26	14.2	67.6	2544	5	PCT-US91-07035-3	Sequence 3, Appl1
C 27	14.2	67.6	2682	5	US-08-095-726-13	Sequence 13, Appl1
C 28	13.8	65.7	1235	1	US-08-095-726-15	Sequence 15, Appl1
C 29	13.8	65.7	1235	2	US-08-095-726-15	Sequence 15, Appl1
C 30	13.8	65.7	1235	2	US-08-096-623A-13	Sequence 13, Appl1
C 31	13.8	65.7	1235	2	US-08-096-623A-15	Sequence 15, Appl1
C 32	13.8	65.7	1235	2	US-08-466-390-3	Sequence 3, Appl1
C 33	13.8	65.7	1235	2	US-08-393-985-11	Sequence 11, Appl1
C 34	13.8	65.7	1235	2	US-08-470-950-3	Sequence 3, Appl1
C 35	13.8	65.7	1235	2	US-08-676-974-3	Sequence 3, Appl1
C 36	13.8	65.7	1235	3	US-08-676-974-3	Sequence 3, Appl1
C 37	13.8	65.7	1235	3	US-08-726-725-1	Sequence 1, Appl1

## ALIGNMENTS

C 38	13.8	65.7	4371	3	US-08-803-973-1	Sequence 1, Appl1
C 39	13.8	65.7	2022	3	US-08-803-973-6	Sequence 6, Appl1
C 40	13.8	65.7	2124	3	US-08-803-973-11	Sequence 11, Appl1
C 41	13.8	65.7	6306	3	US-08-467-781-3	Sequence 3, Appl1
C 42	13.8	65.7	6306	3	US-08-195-487-3	Sequence 3, Appl1
C 43	13.8	65.7	4371	3	US-08-803-972-1	Sequence 1, Appl1
C 44	13.8	65.7	2022	3	US-08-803-972-6	Sequence 6, Appl1
C 45	13.8	65.7	2124	3	US-08-803-972-11	Sequence 11, Appl1

RESULT 1  
US-08-746-789A-1/c  
; Sequence 1, Application US/08746789A  
; Patent No. 5789200  
; GENERAL INFORMATION:  
; APPLICANT: Ismail Kola, Martin J. Tyms, Christine Debouck  
; TITLE OF INVENTION: A No. 5789200el Human ETS Family Member, ELF3  
; NUMBER OF SEQUENCES: 4  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: Smithline Beecham Corporation  
; STREET: 709 Swedeland Road, P.O. Box 1539  
; CITY: King of Prussia  
; STATE: PA  
; COUNTRY: USA  
; ZIP: 19406-0939  
; COMPUTER READABLE FORM:  
; MEDIUM TYPE: DISKETTE, 3.5 INCH, 1.44 MB STORAGE  
; OPERATING SYSTEM: WINDOWS FOR WORKGROUPS  
; SOFTWARE: MICROSOFT WORD  
; CURRENT APPLICATION DATA:  
; APPLICATION NUMBER: US/08/746, 789A  
; FILING DATE: No. 5789200el 15, 1996  
; CLASSIFICATION: 514  
; PRIOR APPLICATION DATA:  
; APPLICATION NUMBER:  
; FILING DATE:  
; ATTORNEY/AGENT INFORMATION:  
; NAME: William T. Han  
; REGISTRATION NUMBER: 34,344  
; REFERENCE/DOCKET NUMBER: ATG 50024  
; TELECOMMUNICATION INFORMATION:  
; TELEPHONE: 610 270 5219  
; TELEFAX: 610 270 4026  
; INFORMATION FOR SEQ ID NO: 1:  
; SEQUENCE CHARACTERISTICS:  
; LENGTH: 1920  
; TYPE: Nucleic Acid  
; STRANDEDNESS: Single  
; TOPOLOGY: Linear  
; ANTI-SENSE: NO  
; US-08-746-789A-1  
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Best Local Similarity 100.0%; Pred. No. 0.082;  
Matches 21; Conservative 0; Mismatches 0; Indels 0; Gaps 0;  
OY 1 GRACCTCATGCGCCGCTCAG 21  
DB 1119 GRACCTCATGCGCCGCTCAG 1099  
RESULT 2  
PCT-US95-02251-17/c  
; Sequence 17, Application PC/TUS9502251  
; GENERAL INFORMATION:  
; APPLICANT:  
; TITLE OF INVENTION: METHODS AND COMPOSITIONS FOR STIMULATING BONE  
; TITLE OF INVENTION: CELLS

GenCore version 4.5  
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OM nucleic - nucleic search, using sw model

Run on: November 2, 1999, 03:31:11 : Search time 33.69 Seconds  
(without alignments)  
64.853 Million cell updates/sec

Title: US-08-978-217-13

Perfect score: 21  
Sequence: 1 CCGGACATCTCTATCCACC 21

Scoring table: IDENTITY\_NUC

Searched: 192659 seqs, 52021692 residues

Database: Issued\_Patents\_NA:\*

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Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

## SUMMARIES

Result No.	Score	Match	Query Length	ID	Description
1.	21	100.0	1920	3	US-08-746-789A-1
2.	16.2	77.1	165	3	US-08-456-647B-1
3.	16.2	77.1	165	3	US-08-237-401A-1
4.	15.2	72.4	10763	2	US-08-761-258-1
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6.	15.2	72.4	2167	3	US-08-461-775-9
7.	15.2	72.4	1620	3	US-08-461-775-10
8.	15.2	72.4	2668	3	US-08-461-775-11
9.	15.2	72.4	10763	4	US-08-977-306-1
10.	14.8	70.5	2896	2	US-08-441-430-31
11.	14.8	70.5	2995	2	US-08-441-430-32
12.	14.8	70.5	1801	2	US-08-557-917A-1
13.	14.8	70.5	6831	4	US-08-609-049A-27
14.	14.6	69.5	4181	1	US-07-670-611-1
15.	14.6	69.5	206	1	US-07-670-611-12
16.	14.6	69.5	37	1	US-08-303-004-6
17.	14.6	69.5	4181	1	US-08-220-674-1
18.	14.6	69.5	206	1	US-08-220-674-12
19.	14.6	69.5	4181	1	US-08-445-186-1
20.	14.6	69.5	206	1	US-08-445-186-12
21.	14.6	69.5	31571	1	US-08-323-443B-1
22.	14.6	69.5	4181	2	US-08-446-549-1
23.	14.6	69.5	206	2	US-08-446-549-12
24.	14.6	69.5	3475	2	US-07-960-389-1
25.	14.6	69.5	4181	3	US-08-446-550-1
26.	14.6	69.5	206	3	US-08-446-550-12
27.	14.6	69.5	3132	3	US-08-224-482-3
28.	14.6	69.5	28804	3	US-08-592-874-1
29.	14.6	69.5	1245	3	US-08-750-524-2
30.	14.6	69.5	2259	4	US-08-845-998-3
31.	14.6	69.5	1154	4	US-09-016-366A-16
32.	14.6	69.5	1137	4	US-09-016-366A-18
33.	14.6	69.5	1128	4	US-09-016-366A-20
34.	14.6	69.5	1081	4	US-09-016-366A-22
35.	14.6	69.5	5434	4	US-08-841-349-1
36.	14.4	66.6	1450	1	US-07-923-692C-5
37.	14.4	66.6	4276	1	US-07-973-324A-3

38	14.4	68.6	1450	1	US-08-184-237-5	Sequence 5, Appl1
39	14.4	68.6	4276	2	US-08-343-380-3	Sequence 3, Appl1
40	14.4	68.6	1450	3	US-08-482-920-5	Sequence 5, Appl1
41	14.4	68.6	1398	4	US-08-896-320-2	Sequence 2, Appl1
42	14.2	67.6	2693	1	US-07-872-644-50	Sequence 50, Appl1
43	14.2	67.6	10627	1	US-08-060-925A-12	Sequence 12, Appl1
44	14.2	67.6	2943	1	US-08-042-747A-7	Sequence 7, Appl1
45	14.2	67.6	1536	1	US-08-114-695A-7	Sequence 7, Appl1

## ALIGNMENTS

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RESULT 1
US-08-746-789A-1
: Sequence 1, Application US/08746789A
: Patent No. 5789200
: GENERAL INFORMATION:
: APPLICANT: Ismail Kola, Martin J. Tyms, Christine Debouck
: TITLE OF INVENTION: A No. 5789200el Human ETS Family Member, ERF3
: NUMBER OF SEQUENCES: 4
: CORRESPONDENCE ADDRESS:
: ADDRESSEE: Smithline Beecham Corporation
: STREET: 709 Swedeland Road, P.O. Box 1539
: CITY: King of Prussia
: STATE: PA
: COUNTRY: USA
: ZIP: 19406-0939
: COMPUTER READABLE FORM:
: MEDIUM TYPE: DISKETTE, 3.5 INCH, 1.44 MB STORAGE
: COMPUTER: IBM 486
: OPERATING SYSTEM: WINDOWS FOR WORKGROUPS
: SOFTWARE: MICROSOFT WORD
: CURRENT APPLICATION DATA:
: APPLICATION NUMBER: US/08/746, 789A
: FILING DATE: No. 5789200ember 15, 1996
: CLASSIFICATION: 514
: PRIOR APPLICATION DATA:
: APPLICATION NUMBER:
: FILING DATE:
: ATTORNEY/AGENT INFORMATION:
: NAME: William T. Han
: REGISTRATION NUMBER: 34,344
: REFERENCE/DOCKET NUMBER: ATG 50024
: TELECOMMUNICATION INFORMATION:
: TELEPHONE: 610 270 5219
: TELEFAX: 610 270 4026
: INFORMATION FOR SEQ ID NO: 1:
: SEQUENCE CHARACTERISTICS:
: LENGTH: 1920
: TYPE: Nucleic Acid
: STRANDEDNESS: Single
: TOPOLOGY: Linear
: ANTI-SENSE: NO
: US-08-746-789A-1

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Best Local Similarity 100.0% Pred. No. 0.24:
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OY 1 CCGGACATCTCTATCCACC 21
DB 951 CCGGACATCTCTATCCACC 971

RESULT 2
US-08-456-647B-1/c
: Sequence 1, Application US/08456647B
: Patent No. 5811516
: GENERAL INFORMATION:
: APPLICANT: Lemke Ph.D. et al., Greg E.
: TITLE OF INVENTION: PROTEIN-TYROSINE KINASE GENES
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